

SEQUENCE LISTING

## Sequence 1

CTTCCTTGGT GCTCTATGTC TTGCCTCTCC CCTTCTCCAG TCCCATTAAG CCATAACCAT  
CTTGACAGAC TCTGGGACAG TCCCCCTCTGC TCTCCTGTTG GCGCCTGAGT CCCTTTTTTGC  
CTGAGGACCC TTCACGTAGC CTCCCATCTG GATGACCTAG TAGAAGACGT GGGAAAGTTGT  
CACACTCAGG TAACTGAGCA GAGCTCAGAG ATTTAAAGTG AGTCTGGGGA GCCTCGAGGA  
TTGATCTGCT GCCTTAAAAA GCCAATTGGA TGACTAACCC AGACTATTGT CACTTTAGGT  
GGGAAGTCAC TAGCATATCT GATGGGTCAC ATCTGAGAAA GGTTCCTAGC AGTGGTGGCC  
TTGTGTGAGC AGCATGGCGT GTATCATGGT GTGCAGCATA CTCAGGCTGC TTGCAACACT  
CGAGGCTCTT CTTCAGTATT AGGGGAACCA CTGGTGTTSG AACATGGTCC AAGAATACAG  
TCATGTGAGG AGAATCCCAA TGCCTCAGGA GAAAACGAGA GTCTGTGACC TCCATTCTTC  
AAGATACAGA AFTATTCTTG GACTGTGTTT TCATGCTCCT TGTGGATGGG AGTGAGTTTA  
CTTCAGGTTA ATCAGCATTG CTTACTGTTG GTATTCAAGT AAATGCTTAA ATTATCCTGG  
ATATACCTCT GTGGGAAGCA GGTTTTTTGAT ACATGCAGCT TGTCTTGTG ATTGATACTG  
CTTGAACCTCA AGAGAACTTT GCTCATGTGA TCTTCTTAA CCGATGGAGT AGAAACTGTC  
TGATGCTCTC AATAAAGTTG GCTCTTGCAC GAGACGTTAG TCTGTCCTGT TTATCTGCTC  
CATTCTTCCG CTCCCACGGG CTCTACAGCA CTAACCCAC CACCGATAGA CTCAGTCTTT  
CACTGACAAA CATCACCAGA GGCTCTTAAC TGAGATTATA AACTGTTACT AGATGATGGG  
TGGAATCGCT CCCCAGAAAC ATAAACATTT ACTTGGAGAA CTCAAGACCC CTTTGTAGAC  
ATAACTCCCA TGGT

## Sequence 2

ATTGCTGTGA GCCTATTAGC GACATTTGGT GACGCCCCTT TTAAGGGGGT AGATACAAAG  
AATGGGTTGA AATTCTGTGC CACAAACGCT CTCCATGTTT TCACAATTAC ACTTGCAACC  
TGTGGTCAGC AGCCAGAATT TAGGGATGTG ATGGGACAGG GTCGGGGAAA GAAGGAGAAG  
GGTAAAGGAA AGACAGCACG TTAAAGTCCA AACAGCTCCA GGAGACTATC TGTAGAAATA  
ACATCAGACC ATGAGGAGAA TTGATATCAT TGTTTTTTCAA TGGGTATCGC CAAGGGAACT  
TTCCATCTGA TTAAAAATAA TTAGTCTGG CACTAAATCC AATTGGAAAT GCCCCACACA  
ATTTATCTTC CACTTCATGC TGCTACCATA TGCCTGACGT GGCGGAGCAG AAGCATTCCTC  
TCCCGTTCTG ATAAATAGTA CTTTGTAAT ATTTGGAGAC GGGAGCTCTG GTGACAGGGA  
ACACGTACAA ACCGGCCTGT TTATCATGTT CCCGATAGAG GCCCTCTTTG ACGTACAGGA  
CCCCAAAACA GTCAGGATGC TGTGAATTT CTTCCATGAA GCCTTGTTCA CAATTAGCAA  
CCATTGGAGG AAGCAGGCTG CACTGTCTAC CACAAGTGCC ACTTTCCAA GAGCACACAT  
ATATTGGAGC AAGACATTTT GCTGGCTGAC TGGTGCTGTG TAAGCTGATA AACTGCTATA  
TTTATTAAAC TGGCTTTTCT TTGAACACCC CACTCAAGGA AAAAAAACA CACTTAGGGT  
GACATTATTT GGAGATGAAG TCTTTATAGA GATGCTTAAG TTTAAACGAG ACTTTTAAAG  
CCGGCTCTAT TCCATTTAAT GAATGGTGTC GCTACAAAGG AAGAAACTGG GACAGAGGTA  
TGTAACACTT TGTGTGTGTG AGAGACAACG TGAGGAGCTG AAGAGGAGCA CGTACAAGTC  
AGAGAAAGGC TGACCCTTAT TCACACTGAG CAAACCAGTC ATGTGTGGGT CGATAGATGA  
GAGTATCCCC CAAGACTCAC ACATTCGAAC GCTTGGTC

## Sequence 3

AGGACCAGAG	TTCACATCCC	ATCAAATGGC	CCAGAAGGTT	TTAATGCTGT	CTTTTGGCCC
AGGGGCGAAC	TGCACACACA	TGTGCACATA	CACTTACAGA	GACACACATT	CAGCAGCATA
AGAACACAAT	CACAAATAAA	AAAAATCTTG	AAAAATTTTA	AGCTAAAATT	GTTAAGAAAT
AACATATATA	CAATTTTCT	TTATTTTCTT	AAAGATTTAT	TTATTTAATG	TATATGAGTA
CACTGCCTCT	CCCTCCAGAC	ATAGCAGTAC	AGGGCATCGG	ATCCCATTAC	AGATGGTTGT
GAGCCACCAT	GTGGTTTCAC	AGATGGTTGT	GAGCCACCAT	GTGGTTTCAG	GAATTGAACT
CAGGACCTTT	GGAAGAGCAG	TCAGTGCTCT	TAACCTCTAA	GCCATCTCTC	CTGACCCTTA
TATACAATTT	TAATGCTACG	TACACACAAC	TTCTCTTTCC	TTTAATGGTT	GAGATTTTGT
TCTGGAGAAG	TAAGAATAAA	GGAGGGAAAG	AACATTGCTT	TCACATTGCA	CCAGTGGGAA
CAGCGTGTTT	AAAGTAGGAA	TGCCATGAAA	TGACTGGCCT	GCCTTCTCAT	TACTGTTCTT
CCCCTCCTC	CTTTTAACTG	GAGCTCCTTT	ATCTAATTTA	TTAGTTTGAC	GATACCCAGG
GTTTTCTTCT	GTTTTGATCT	TTTTAAGACA	GAGACTCACC	ATATAGCCCT	GGCTGGCCTG
AAGCTCACTA	TGTAGACCAG	TCTGGCCTTG	AACTCAAAGG	AGATCTATCT	GCTTCCTAGT
GCTGGGATTA	AAGGCTTG TG	CTACCAAGTC	TGGTCTGAGG	CTTTGGAGCA	GCCTCGGTTT
TGGCCTTCTT	TAAGGATCTC	TAAGCTAGCA	GTAAGTAGCC	TAGCCATGCT	GTTGTAGGAA
GTTGTTCGTT	CATCCTGGCT	CCAGCACA AA	GGCAGTCACT	AAACGTCGGC	CTCATTTTCAT
CAGAGCTGAA	TGCAAATTCC	TTGTGCTCTT	CCTGTGTCCT	CCTGGAAC	

## Sequence 4

AGTTGGGGAC	ACAGCTTGCT	TGATTAAGAT	GTTTCTTGGG	AAAAGGAGTT	AAGCCTAATG
ATTTCCAATG	GAAAGGACTG	CTAATTGGGG	AGGCAATGTT	GCTTAATTGG	GACACCTGCG
GGTAATTAAA	AGCTCTCTCC	CAGTGGCCTT	TCCTGTTTTT	GGCTCTGGGA	GGCGAAGGCA
TTGAGAGGGA	TGCAGGCATT	CTAAGGGCTG	GTTCTTGGTT	TCTCCCTTCC	CCTCTGTCCA
AACTCAGTGA	GGTATCCCTG	TCTGTGCTGT	CCTTAGAGTG	CCGTCCCTGAG	GCCTTGGTGA
GTTAAGGTCT	CTGGATCTGA	GCTGCCTCAG	GGAAACGCAT	GAGCTCATTG	GAAAGGGGAG
AACCAGGCAA	AGGTGTTGGC	TGTGACCTCA	GAATTCTGAG	GGGCAAAGGT	TCAAGGCTAA
CTCTCATTAT	AGAGCAAGTT	TGAGACTGGC	CTGGGAACAA	AAATATAAAG	TGAGTGAGGT
CATATGACAG	CACCTGAGGA	GTCCTGTCCC	TAGAGATCAT	AAGGACCTGG	CTGCTGGGGA
CTTGTTGCAG	ATGGCACTTT	GTGTCGAGAG	AGGGGACCTG	CCCCAGCATG	GGAGGCCCTG
GAAGATCCTC	TGGATTAACT	GTGAACACTG	ATTGCTGCTT	TATACCTGGA	GTTGTGCTGT
TATCTGGTAC	ACATCTGCTG	GGTGAATGAG	TTCATGGGCT	TTATTTTCAGT	GAGGTATTTA
CCTGAGGAGA	AAGAAGGACT	GGTGCCACAA	AGCACAGCTT	TTAAATCTGT	GGGTGTGAC
CCATTATGGA	CTATCATAAC	TGAGTGCAGG	TATCAAGAAT	ACTTTAGCAG	GTGGTAAAAA
GATTTTTGAA	TGCGCAACGA	CCAAAACCTGA	ACTCAAAAAT	CAAGCATGGC	ATGGATCCTG
GGTGCTCCTG	GAAGCACTTG	CCTTTACTGC	ATTGTGCGAC	TTGACGGTAG	CCTTGGTTCT
GAATGCACAA	CACGTGGGCT	TTGGGCTGCA	CAGGCCACCA	CGCCGTGCCT	GAAACACCTC
AGCTCAGGTT	TGTGGCTATG	TCCTATGACT	TGGACTTACT	TTTATTGCAC	ATATAAATAT
TTTCCTGC					

## Sequence 5

GAGGGGGTGG TGGCACAGTT ATGTTTTTGT AGGAAGGGTT CCATGAACCT CAGCAGAGCT  
CGGGTTAGAA ATTTAAAGC CCTGAGGGGA ATTTTTTTTTT TAAATCGCTA TGAATCTGAC  
ATGAGAAAAA CAGATCAGAA ACGTTCTTGT GCTTCAGAAA AGGACAAGTG TGTGAGCTAA  
CAGACTGCAC ACTGGTGTTC GAGGCACATC TGGATCACAG GAGCGTCAGA TAATGTCCCC  
AAAGGTAAAT GCATTTGCTT GCACAGTACC GAGTGTGGTG GGGGGTGCCT ACAGCCCAGC  
GGTTCTCAAC CTTCTGATG CTTGACCCT TTAATACAGT GCCTCATGCT CTGGTGACCT  
CCCCAACCTT AAAATTATTT TTGTTGCTGT TCATAACTGT GATTTTGATA CTGTTATGAA  
TTGTAATATA AATAATTTTG AAGAAAGAGG TTTGCCAAGG GTTTGAGAAC TGCTGTTCTA  
GCCCCACGTG GATGGTTTTT CGTCATTTGG GGTTTTTATG AGGCAGAGTC TTATGTAGCC  
CAGGCTAGCA GCCTAGAATG TGCTACTTAG CTGAGGAATA ACCTTGGAAC TTCTGAGGAC  
TGGAGAGACT GGCTTAGTCC TCAAGAAACT GGAAATAGCT GGAGTTTGGC TACTTGTGGG  
TTCCTTTTTC TTCAAACCTT TTCTACTCTT TTTCCACCCT GTCGGCCCCC TAACACTAAA  
TAAGAAAAG AGAGGGGAGC ATAGAGGGGA AAAGAAACCC CTGAATAACG TCAGTAGTTG  
GCAAAGGGGG GTGACATATG TTGTCATTAG ACCACATCCT GGTGATTAAG GGGAGTCAAG  
TTCCTTGGGG CAAGTTTGAT CTTTGTGTGA ACGATATCTA ATTTCTTCTC CCTGTTGCTT  
CGTCTTTGTG AACACGACT TGATAACCCA CAATGGACCA TCAACCAACC AACCAACCAT

## Sequence 6

TTGTCTCTGG TGTACTTGT TTTCCCATTT GTGACAGTGG TTTGACCTT CTATACGCCT  
GTGTGTCAGG AGTGCTGTAG ACCTATTTTC CTGTTTTCTT TCAGCCAGTT ACAGGAACAG  
AGTGTTCTAC TGTCAGATGT GTAGCTGTTC CTGTCCACTG ACTTTCAAGC TGTCTCTGTG  
TGCAGGAACC AGAAGGGCCT GTCCCTACTT CTACTGGGCC CCTACGCACA GGGGGCCTAG  
ATGGTGCTAG GTGTTTTCTT CTAGAGCCTG AAATGTGGGC AGAGAGTAGT CTCCTCTGGT  
TTCCTAGGTA TGTCTTCCCC TCTGAAGGTC TAGCTCTCCC TTCCATGGGA TATGGGTGCA  
GGGAGCTGTT TGACCAGGTC CTCTCAAATC CGGGTGCAGT CTGGACCGCA GGCTCCTGTA  
GCTTGCCCTGC TGCAATCTTC CCGCACCCAG AGGCACCCAA GTTTCCTCTT GGGCCAAGGA  
TGTGGGCAAA GGTGGGCAGA AGTGGCAATC TCTCCTGCCC TAGCGTCTCA GGATTGCCCT  
CACTTCTGGG CAATCCGCTC TCTCTTCCAC AGGGTTTGGG AGCAGGGAGC TGTGGGCCGG  
TATCAGGCAA AGGTTTGAGG CAACCAGTTA GAAACTGGAA GTGTCAGGTC CCAGAGGAAT  
TTTGCCCTTG TGTGTCCTGA GTCCACCAGG CAGGTCACCT GGAGCAGAAA AATTGGTTTT  
CCCCTCGGTC TCAGGCCTGA AGTTGCACCT CAGGGTTGGC TTTCAGCTGT ACCTGTGGAA  
AGTATGGTTT TAAAAATCTA AGATAGCTAT CATGCAGCAA GGCTTGTGTA AAATGTCTAT  
TTGGTTCCTT TATGACTTAC TTTTGCTGTA CTGAGGATCA AACCTAGGGT CTCAAGCAGT  
CATCACAATT CTCTGTCACT GATCCAGCTC CATTTCTATT TTCTTTTGTC CCGCGCGATC  
TCTCGCCAGC AAGAAAACAC GCTAGGGACA TACGAATCCT TGCTGCAGCC AAAACTTTTA  
TTGAATCTTA AGGAGAAGCC CGCGCACCGG ACTGGCGCGG TTTATATACA CCCTAGCACA  
GTGCATCCAC A